

d his

(FILE 'USPAT' ENTERED AT 09:27:31 ON 01 AUG 95)

L1 1557 S RETROVIR?
L2 44522 S VECTOR OR VECTORS
L3 3686 S MURINE
L4 361 S L1 AND L2 AND L3
L5 6088 S ENHANCER OR ENHANCERS
L6 160 S L4 AND L5
L7 400 S (PACKAGING OR HELPER) (W) (CELL OR CELLS)
L8 31 S L6 AND L7

=> d 1-31

1. 5,436,146, Jul. 25, 1995, Helper-free stocks of recombinant adeno-associated virus vectors ; Thomas E. Shenk, et al., 435/172.3, 91.4, 235.1, 240.2, 320.1; 536/23.72 [IMAGE AVAILABLE]
2. 5,434,340, Jul. 18, 1995, Transgenic mice depleted in mature T-cells and methods for making transgenic mice; Paulus J. A. Krimpenfort, et al., 800/2; 435/172.3; 800/DIG.1; 935/111 [IMAGE AVAILABLE]
3. 5,422,274, Jun. 6, 1995, Internal deletion mutants of soluble T4(CD4); Paul J. Maddon, et al., 435/320.1; 424/188.1, 208.1; 435/69.4, 69.6, 172.3; 530/388.35; 536/23.1 [IMAGE AVAILABLE]
4. 5,416,192, May 16, 1995, Epithelins: novel cysteine-rich growth modulating proteins; Mohammed Shoyab, et al., 530/324; 435/69.1; 530/399 [IMAGE AVAILABLE]
5. 5,399,493, Mar. 21, 1995, Methods and compositions for the optimization of human hematopoietic progenitor cell cultures; Stephen G. Emerson, et al., 435/172.3, 240.2, 240.23 [IMAGE AVAILABLE]
6. 5,378,806, Jan. 3, 1995, Fusion protein produced by retrovirus -mediated secretion; John W. Willis, 530/350; 435/69.7; 530/412; 536/23.4 [IMAGE AVAILABLE]
7. 5,371,193, Dec. 6, 1994, Mammalian cytokine, IL-11; Frances K. Bennett, et al., 530/351; 424/85.1; 435/69.52; 930/141 [IMAGE AVAILABLE]
8. 5,358,866, Oct. 25, 1994, Cytosine deaminase negative selection system for gene transfer techniques and therapies; Craig A. Mullen, et al., 435/240.2, 69.1, 70.1, 227, 240.1, 252.3, 320.1; 536/22.1, 23.1, 23.2, 23.7, 23.74 [IMAGE AVAILABLE]
9. 5,354,678, Oct. 11, 1994, Production of recombinant adeno-associated virus vectors ; Jane S. Lebkowski, et al., 435/172.3, 235.1, 240.2, 320.1; 935/32, 70, 71 [IMAGE AVAILABLE]
10. 5,354,674, Oct. 11, 1994, Method of gene transfer using retrotransposons; Clague P. Hodgson, 435/172.3, 69.1, 172.1, 172.2, 235.1, 240.2, 320.1 [IMAGE AVAILABLE]
11. 5,328,470, Jul. 12, 1994, Treatment of diseases by site-specific instillation of cells or site-specific transformation of cells and kits therefor; Elizabeth G. Nabel, et al., 604/101, 96; 606/194 [IMAGE AVAILABLE]
12. 5,324,655, Jun. 28, 1994, Human Y-interferon signal peptide-tumor

necrosis factor(TNF) gene fusions; Michael Kriegler, et al., 435/240.2, 69.1, 69.5, 69.7, 69.8, 172.1, 172.3, 240.1, 320.1; 536/23.1, 23.2, 23.4, 23.5, 23.52; 935/23, 24, 27, 32, 34, 44, 47, 48, 66, 70, 71 [IMAGE AVAILABLE]

13. 5,324,643, Jun. 28, 1994, Method of conferring resistance to retroviral infection; Wilson Greatbatch, et al., 435/91.32, 91.1, 91.3, 172.3, 240.1, 240.2; 536/23.1; 935/3, 6, 34, 70 [IMAGE AVAILABLE]

14. 5,320,962, Jun. 14, 1994, DNA encoding the human A1 adenosine receptor; Gary L. Stiles, et al., 435/252.3, 69.1, 320.1; 536/23.5 [IMAGE AVAILABLE]

15. 5,314,995, May 24, 1994, Therapeutic interleukin-2-antibody based fusion proteins; Henry P. Fell, Jr., et al., 530/351; 424/85.1, 85.2, 134.1, 800; 435/69.5, 69.52, 69.7, 70.2, 70.21; 530/387.1, 387.3, 387.7, 388.3, 388.4, 388.5, 388.6, 388.8, 388.85, 391.7, 391.9; 935/47 [IMAGE AVAILABLE]

16. 5,314,813, May 24, 1994, Drosophila cell lines expressing genes encoding MHC class I antigens and B2-microglobulin and capable of assembling empty complexes and methods of making said cell lines; Per A. Peterson, et al., 435/172.3, 240.1, 320.1 [IMAGE AVAILABLE]

17. 5,306,631, Apr. 26, 1994, Compositions and method for inhibition of HIV production; Gail Harrison, et al., 435/172.3, 240.2, 320.1; 935/56, 71 [IMAGE AVAILABLE]

18. 5,278,056, Jan. 11, 1994, Retroviral packaging cell lines and process of using same; Arthur Bank, et al., 435/172.3, 240.1, 240.2; 935/57, 70, 71 [IMAGE AVAILABLE]

19. 5,256,560, Oct. 26, 1993, Primitive cell colony stimulating factors and lymphohematopoietic progenitor cells; Michael J. P. Lawman, et al., 435/240.2, 240.21, 240.25 [IMAGE AVAILABLE]

20. 5,252,465, Oct. 12, 1993, Avian erythroblastosis virus vectors for integration and expression of heterologous genes in avian cells; Victor-Marc Nigon, et al., 435/69.1, 172.2, 172.3, 239, 240.1, 240.2, 320.1; 935/24, 32, 34, 57, 70 [IMAGE AVAILABLE]

21. 5,219,740, Jun. 15, 1993, Retroviral gene transfer into diploid fibroblasts for gene therapy; A. Dusty Miller, et al., 435/69.6; 424/93.2, 93.21; 435/172.3, 183, 193, 227, 240.1, 320.1; 935/32, 57, 62, 70, 71 [IMAGE AVAILABLE]

22. 5,215,895, Jun. 1, 1993, DNA encoding a mammalian cytokine, interleukin-11; Frances K. Bennett, et al., 435/69.52, 69.5, 172.3, 240.1, 243, 252.3, 320.1; 536/23.5; 935/22, 52, 60, 66 [IMAGE AVAILABLE]

23. 5,175,384, Dec. 29, 1992, Transgenic mice depleted in mature T-cells and methods for making transgenic mice; Paulus J. A. Krimpenfort, et al., 800/2; 435/172.3; 800/DIG.1; 935/111 [IMAGE AVAILABLE]

24. 5,175,099, Dec. 29, 1992, Retrovirus -mediated secretion of recombinant products; John W. Wills, 435/69.7, 252.3, 320.1; 530/350; 536/23.72 [IMAGE AVAILABLE]

25. 5,126,433, Jun. 30, 1992, Soluble forms of the T cell surface protein CD4; Paul J. Maddon, et al., 530/395, 350, 380, 387.2, 387.9,

389.1 [IMAGE AVAILABLE]

26. 5,126,260, Jun. 30, 1992, Human erythroid-specific transcriptional enhancer ; Dorothy Y. H. Tuan, et al., 435/240.2, 69.1, 69.6, 172.3, 320.1; 935/34, 36, 70 [IMAGE AVAILABLE]

27. 5,115,096, May 19, 1992, Amphiregulin: a bifunctional growth modulating glycoprotein; Mohammed Shoyab, et al., 530/322, 324 [IMAGE AVAILABLE]

28. 5,110,906, May 5, 1992, Derivatives of soluble T-4; Paul J. Maddon, et al., 530/350; 435/5, 974; 530/395, 821; 930/221 [IMAGE AVAILABLE]

29. 5,082,670, Jan. 21, 1992, Method of grafting genetically modified cells to treat defects, disease or damage or the central nervous system; Fred H. Gage, et al., 424/520, 570; 435/172.3, 240.2, 948; 514/44; 935/62, 70 [IMAGE AVAILABLE]

30. 4,997,763, Mar. 5, 1991, Vectors for gene insertion into avian germ line; Stephen H. Hughes, et al., 435/172.3, 317.1; 800/2, DIG.1; 935/32 [IMAGE AVAILABLE]

31. 4,861,719, Aug. 29, 1989, DNA constructs for retrovirus packaging cell lines; A. Dusty Miller, 435/236, 69.1, 91.42, 172.3, 240.2, 320.1, 948; 536/23.1, 24.1, 24.2; 935/32, 34, 57, 70, 71 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 09:27:31 ON 01 AUG 95)

L1	1557 S RETROVIR?
L2	44522 S VECTOR OR VECTORS
L3	3686 S MURINE
L4	361 S L1 AND L2 AND L3
L5	6088 S ENHANCER OR ENHANCERS
L6	160 S L4 AND L5
L7	400 S (PACKAGING OR HELPER) (W) (CELL OR CELLS)
L8	31 S L6 AND L7
L9	2 S MYELOPROLIFERATIVE (W) SARCOMA (W) VIRUS

=> d 1-2

1. 5,427,925, Jun. 27, 1995, Recombinant method for making leukemia inhibitor factor; David P. Gearing, et al., 435/69.5, 69.8, 240.2, 252.33 [IMAGE AVAILABLE]

2. 5,187,077, Feb. 16, 1993, Leukaemia inhibitory factor; David P. Gearing, et al., 435/69.1, 69.5, 240.2, 252.3, 252.33, 254.2, 320.1; 536/23.5, 23.51, 24.1, 24.31 [IMAGE AVAILABLE]

=>

Set	Items	Description
S1	149	MYELOPROLIFERATIVE(W) SARCOMA(W) VIRUS
S2	24082	ENHANCER
S3	4898	LTR
S4	749	LTRS
S5	5074	S3 OR S4
S6	28	S1 AND S5
S7	16	RD (unique items)
S8	110593	VECTOR OR VECTORS
S9	0	S7 AND S8]
S10	8	S7 AND S8

?d s10/3/1-8

Display 10/3/1 (Item 1 from file: 55)

DIALOG(R)File 55:BIOSIS PREVIEWS(R)

(c) 1995 BIOSIS. All rts. reserv.

11521379 BIOSIS Number: 98121379

Multiple modifications in cis elements of the long terminal repeat of retroviral vectors lead to increased DNA methylation in embryonic carcinoma cells

Challita P-M; Skelton D; El-Khoueiry A; Yu X-J; Weinberg K; Kohn D B

Div. Res. Immunol./Bone Marrow Transplantation, Mailstop 62, Child. Hosp. Los Angeles, 4650 Sunset Blvd., Los Angeles, CA 90027, USA

Journal of Virology 69 (2). 1995. 748-755.

Full Journal Title: Journal of Virology

ISSN: 0022-538X

Language: ENGLISH

Print Number: Biological Abstracts Vol. 099 Iss. 006 Ref. 077936

- end of record -

?

Display 10/3/2 (Item 2 from file: 55)

DIALOG(R)File 55:BIOSIS PREVIEWS(R)

(c) 1995 BIOSIS. All rts. reserv.

11345028 BIOSIS Number: 97545028

Expression efficiency of the human thrombomodulin-encoding gene in various vector and host systems

Lin J-H; Wang M; Andrews W H; Wydro R; Morser J

Berlex Biosci., 15049 San Pablo Ave., Richmond, CA 94804, USA

Gene (Amsterdam) 147 (2). 1994. 287-292.

Full Journal Title: Gene (Amsterdam)

ISSN: 0378-1119

Language: ENGLISH

Print Number: Biological Abstracts Vol. 098 Iss. 012 Ref. 162651

- end of record -

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Display 10/3/3 (Item 3 from file: 55)

DIALOG(R)File 55:BIOSIS PREVIEWS(R)

(c) 1995 BIOSIS. All rts. reserv.

11307210 BIOSIS Number: 97507210

Retroviral vector design for long-term expression in murine hematopoietic cells in vivo

Correll P H; Colilla S; Karlsson S

Molecular Med. Genetics Sect., Developmental Metabolic Neurol. Branch, National Inst. Neurological Disease Stroke, National Inst. Health, Build. 10, Room 3D04, Bethesda, MD 20892, USA

Blood 84 (6). 1994. 1812-1822.

Full Journal Title: Blood

ISSN: 0006-4971

Language: ENGLISH

Print Number: Biological Abstracts Vol. 098 Iss. 011 Ref. 142949

- end of record -

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Display 10/3/4 (Item 4 from file: 55)

DIALOG(R)File 55:BIOSIS PREVIEWS(R)

(c) 1995 BIOSIS. All rts. reserv.

11244511 BIOSIS Number: 97444511

Expression of human glucocerebrosidase in murine macrophages:

Identification of efficient retroviral vectors

Freas-Lutz D L; Correll P H; Dougherty S F; Xu L; Pluznik D H; Karlsson S

NIH/NINDS/DMNB/MMGS, Build. 10, Room 3D04, Bethesda, MD 20892, USA

Experimental Hematology (Charlottesville) 22 (9). 1994. 857-865.

Full Journal Title: Experimental Hematology (Charlottesville)

ISSN: 0301-472X

Language: ENGLISH

Print Number: Biological Abstracts Vol. 098 Iss. 008 Ref. 098823

- end of record -

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Display 10/3/5 (Item 5 from file: 55)

DIALOG(R)File 55:BIOSIS PREVIEWS(R)

(c) 1995 BIOSIS. All rts. reserv.

10848352 BIOSIS Number: 97048352

Selective expression of methotrexate-resistant dihydrofolate reductase (DHFR) activity in mice transduced with DHFR retrovirus and administered methotrexate

Vinh D B-N; McIvor R S

Inst. Human Genetics, Box 206 UMHC, Harvard St. at East River Road, Univ. Minnesota, Minneapolis, MN 55455, USA

Journal of Pharmacology and Experimental Therapeutics 267 (2). 1993. 989-996.

Full Journal Title: Journal of Pharmacology and Experimental Therapeutics

ISSN: 0022-3565

Language: ENGLISH

Print Number: Biological Abstracts Vol. 097 Iss. 003 Ref. 031983

- end of record -

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Display 10/3/6 (Item 6 from file: 55)

DIALOG(R)File 55:BIOSIS PREVIEWS(R)

(c) 1995 BIOSIS. All rts. reserv.

7733062 BIOSIS Number: 90101062

ABROGATION OF THE REQUIREMENT FOR FEEDER CELL INTERACTION AND T CELL RECEPTOR STIMULATION OF LYMPHOCYTES INFECTED WITH RETROVIRAL VECTORS

LAKER C; GRAENING G; KELSO A; STOCKING C; OSTERTAG W

HEINRICH-PETTE-INST. EXPERIMENTELLE VIROLOGIE UND IMMUNOLOGIE DER UNIV. HAMBURG, MARTINISTRASSE 52, D-2000 HAMBURG 20, WEST GERMANY.

J EXP MED 172 (2). 1990. 447-456. CODEN: JEMEA

Full Journal Title: Journal of Experimental Medicine

Language: ENGLISH

(c) 1995 BIOSIS. All rts. reserv.

6448662 BIOSIS Number: 85049183

AUTOCRINE STIMULATION AFTER TRANSFER OF THE GRANULOCYTE-MACROPHAGE COLONY-STIMULATING FACTOR GENE AND AUTONOMOUS GROWTH ARE DISTINCT BUT INTERDEPENDENT STEPS IN THE ONCOGENIC PATHWAY

LAKER C; STOCKING C; BERGHOLZ U; HESS N; DE LAMARTER J F; OSTERTAG W
HEINRICH-PETTE-INST. FUER EXPERIMENTELLE VIROLOGIE UND IMMUNOLOGIE AN DER
UNIV. HAMBURG, MARTINISTRASSE 52, 2000 HAMBURG 20, FEDERAL REPUBLIC OF
GERMANY.

PROC NATL ACAD SCI U S A 84 (23). 1987. 8458-8462. CODEN: PNASA

Full Journal Title: Proceedings of the National Academy of Sciences of
the United States of America

Language: ENGLISH

- end of record -

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Display 14/3/2 (Item 2 from file: 55)

DIALOG(R)File 55:BIOSIS PREVIEWS(R)

(c) 1995 BIOSIS. All rts. reserv.

6034988 BIOSIS Number: 34037295

RETROVIRAL VECTORS FOR GENE TRANSFER AND EXPRESSION IN HEMATOPOIETIC
CELLS

HUNT N; LAKER C; STOCKING C; HESS N; NOBIS P; SIEB J; OSTERTAG W
HEINRICH-PETTE-INST. EXP. VIROL. IMMUNOL., UNIV. HAMBERG, MARTINITSTRASSE
52, 2000 HAMBURG 20, FRG.

RICH, I. N. (ED.). NATO ASI (ADVANCED SCIENCES INSTITUTE) SERIES, SERIES
H: CELL BIOLOGY, VOL. 8. MOLECULAR AND CELLULAR ASPECTS OF ERYTHROPOIETIN
AND ERYTHROPOIESIS; MEETING, BAD WINDSHEIM, WEST GERMANY, SEPTEMBER 1-4,
1986. VIII+460P. SPRINGER-VERLAG NEW YORK, INC.: SECAUCUS, NEW JERSEY, USA;
SPRINGER-VERLAG: BERLIN, WEST GERMANY. ILLUS. PAPER. ISBN 0-387-17782-5;
ISBN 3-540-17782-5. 0 (0). 1987. 103-121. CODEN: NASBE

Language: ENGLISH

Document Type: CONFERENCE PAPER

- end of record -

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Display 14/3/3 (Item 3 from file: 55)

DIALOG(R)File 55:BIOSIS PREVIEWS(R)

(c) 1995 BIOSIS. All rts. reserv.

6016547 BIOSIS Number: 34018854

OPTIMIZING RETROVIRUS EXPRESSION VECTORS

ARTELT P; DIEPENBROCK F; HAUSER H

GESELLSCHAFT BIOTECHNOLOGISCHE FORSCHUNG MBH, DEP. GENETICA,
MASCHERODWERWEG 1, D-3300 BRAUNSCHWEIG.

FALL MEETING OF THE SOCIETY FOR BIOLOGICAL CHEMISTRY, ERLANGEN, WEST
GERMANY, SEPTEMBER 27-30, 1987. BIOL CHEM HOPPE-SEYLER 368 (9). 1987.
1017. CODEN: BCHSE

Language: ENGLISH

Document Type: CONFERENCE PAPER

- end of record -

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Display 14/3/4 (Item 4 from file: 55)

DIALOG(R)File 55:BIOSIS PREVIEWS(R)

(c) 1995 BIOSIS. All rts. reserv.

5951596 BIOSIS Number: 84084161

QP501.25 *missing*
film

STABLE EXPRESSION OF A SELECTABLE MYELOPROLIFERATIVE SARCOMA VIRUS IN
MURINE T LYMPHOCYTE AND MONOCYTE CELL LINES
SELIGER B; KRUPPA G; PFIZENMAIER K
CLIN. RES. GROUP "BRWTI", MAX-PLANCK-SOC., GOSSLERSTR. 10D, D-3400
GOETTINGEN, FRG.
IMMUNOBIOLOGY 174 (3). 1987. 313-325. CODEN: IMMND
Full Journal Title: Immunobiology
Language: ENGLISH

- end of record -

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Display 14/3/5 (Item 5 from file: 55)
DIALOG(R)File 55:BIOSIS PREVIEWS(R)
(c) 1995 BIOSIS. All rts. reserv.

5946019 BIOSIS Number: 84078584
MURINE GAMMA INTERFERON INHIBITS V-MOS-INDUCED FIBROBLAST TRANSFORMATION
VIA DOWN REGULATION OF RETROVIRAL GENE EXPRESSION
SELIGER B; KRUPPA G; PFIZENMAIER K
CLINICAL RES. GROUP, BIOL. REGULATION HOST-TUMOR INTERACTION, MAX PLANCK
SOCIETY, 3400 GOETTINGEN, W. GERMANY.
J VIROL 61 (8). 1987. 2567-2572. CODEN: JOVIA
Full Journal Title: Journal of Virology
Language: ENGLISH

- end of record -

?

Display 14/3/6 (Item 6 from file: 55)
DIALOG(R)File 55:BIOSIS PREVIEWS(R)
(c) 1995 BIOSIS. All rts. reserv.

5834336 BIOSIS Number: 83096643
A TEMPERATURE-SENSITIVE MUTANT OF THE MYELOPROLIFERATIVE SARCOMA VIRUS
ALTERED BY A POINT MUTATION IN THE MOS ONCOGENE HAS BEEN MODIFIED AS
SELECTABLE RETROVIRAL VECTOR
FRIEL J; STOCKING C; STACEY A; OSTERTAG W
HEINRICH-PETTE-INST. FUER EXPERIMENTALLE VIROLOGIE UND IMMUNOLOGIE AN DER
UNIV. HAMBURG, 2000 HAMBURG 20, FRG.
J VIROL 61 (3). 1987. 889-897. CODEN: JOVIA
Full Journal Title: Journal of Virology
Language: ENGLISH

- end of record -

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Display 14/3/7 (Item 7 from file: 55)
DIALOG(R)File 55:BIOSIS PREVIEWS(R)
(c) 1995 BIOSIS. All rts. reserv.

5711630 BIOSIS Number: 33106651
RETROVIRAL VECTORS AS TOOLS FOR THE STUDY OF STEM CELL DIFFERENTIATION
OSTERTAG W; STOCKING C; GREZ M; LAKER C; HILBERG F; DEXTER M; SPOONCER E
HEINRICH-PETTE-INST., 2000 HAMBURG 20, GER.
EUROPEAN DEVELOPMENTAL BIOLOGY CONGRESS, HELSINKI, FINLAND, JUNE 14-18,
1987. CELL DIFFER 20 (SUPPL.). 1987. 108S. CODEN: CLDFA
Language: ENGLISH
Document Type: CONFERENCE PAPER

- end of record -

?

Display 14/3/8 (Item 8 from file: 55)

DIALOG(R) File 55:BIOSIS PREVIEWS(R)
(c) 1995 BIOSIS. All rts. reserv.

5399187 BIOSIS Number: 82043990

RETROVIRAL MUTANTS EFFICIENTLY EXPRESSED IN EMBRYONAL CARCINOMA CELLS
FRANZ T; HILBERG F; SELIGER B; STOCKING C; OSTERTAG W
HEINRICH-PETTE INST. EXPERIMENTELLE VIROLOGIE UND IMMUNOLOGIE AN DER
UNIV. HAMBURG, MARTINISTRASSE 52, 2000 HAMBURG 20, FRG.
PROC NATL ACAD SCI U S A 83 (10). 1986. 3292-3296. CODEN: PNASA
Full Journal Title: Proceedings of the National Academy of Sciences of
the United States of America
Language: ENGLISH

- end of record -

?

Display 14/3/9 (Item 1 from file: 154)

DIALOG(R) File 154:MEDLINE(R)

(c) format only 1995 Knight-Ridder Info. All rts. reserv.

06393221 88038221

Expression of genes transferred to haemopoietic stem cells by recombinant
retroviruses.

Bowtell DD; Johnson GR; Kelso A; Cory S

Walter and Eliza Hall Institute of Medical Research, Royal Melbourne
Hospital, Victoria, Australia.

Mol Biol Med (ENGLAND) Aug 1987, 4 (4) p229-50, ISSN 0735-1313

Journal Code: MOL

Contract/Grant No.: CA12421; CA25972

Languages: ENGLISH

Document type: JOURNAL ARTICLE

*Not in
Library* *applicant
lists
this one in spec.*

- end of record -

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Display 14/3/10 (Item 2 from file: 154)

DIALOG(R) File 154:MEDLINE(R)

(c) format only 1995 Knight-Ridder Info. All rts. reserv.

05952158 86253158

The myeloproliferative sarcoma virus retains transforming functions after
introduction of a dominant selectable marker gene.

Ostertag W; Seliger B; Kollek R; Stocking C; Bergholz U; Smadja-Joffe F

J Gen Virol (ENGLAND) Jul 1986, 67 (Pt 7) p1361-71, ISSN 0022-1317

Journal Code: I9B

Languages: ENGLISH

Document type: JOURNAL ARTICLE

- end of display -

?ds

Set	Items	Description
S1	149	MYELOPROLIFERATIVE (W) SARCOMA (W) VIRUS
S2	24082	ENHANCER
S3	4898	LTR
S4	749	LTRS
S5	5074	S3 OR S4
S6	28	S1 AND S5
S7	16	RD (unique items)
S8	110593	VECTOR OR VECTORS
S9	0	S7 AND S8]
S10	8	S7 AND S8

S11 60 S1 AND S8
S12 3679518 PY=1986:1987
S13 16 S11 AND S12
S14 10 RD (unique items)
S15 0 MOLONEY(W) FRIEND(W) VIRUS
S16 0 S MOLONEY(W) FRIEND
S17 1441 FRIEND(W) VIRUS
S18 4507 MOLONEY
S19 73 S17 AND S18
S20 20 S2 AND S19
S21 14 RD (unique items)
?d s21/3/1-14

Display 21/3/1 (Item 1 from file: 55)
DIALOG(R)File 55:BIOSIS PREVIEWS(R)
(c) 1995 BIOSIS. All rts. reserv.

10130514 BIOSIS Number: 95130514

TWO FACTORS THAT BIND TO HIGHLY CONSERVED SEQUENCES IN MAMMALIAN TYPE C
RETROVIRAL ENHANCERS

MANLEY N R; O'CONNELL M; SUN W; SPECK N A; HOPKINS N
CENTER CANCER RES., MASSACHUSETTS INST. TECHNOLOGY, CAMBRIDGE, MA 02139.
J VIROL 67 (4). 1993. 1967-1975. CODEN: JOVIA
Full Journal Title: Journal of Virology
Language: ENGLISH

- end of record -

?

Display 21/3/2 (Item 2 from file: 55)
DIALOG(R)File 55:BIOSIS PREVIEWS(R)
(c) 1995 BIOSIS. All rts. reserv.

7198535 BIOSIS Number: 88121280

NUCLEAR FACTORS THAT BIND TO THE ENHANCER REGION OF NONDEFECTIVE FRIEND
MURINE LEUKEMIA VIRUS

MANLEY N R; O'CONNELL M A; SHARP P A; HOPKINS N
DEP. BIOL., MASS. INST. TECHNOL., 77 MASSACHUSETTS AVE., CAMBRIDGE, MASS.
02139.
J VIROL 63 (10). 1989. 4210-4223. CODEN: JOVIA
Full Journal Title: Journal of Virology
Language: ENGLISH

- end of record -

?

Display 21/3/3 (Item 3 from file: 55)
DIALOG(R)File 55:BIOSIS PREVIEWS(R)
(c) 1995 BIOSIS. All rts. reserv.

6989730 BIOSIS Number: 87050251

DISTINCT SEGMENTS WITHIN THE ENHANCER REGION COLLABORATE TO SPECIFY THE
TYPE OF LEUKEMIA INDUCED BY NONDEFECTIVE FRIEND AND MOLONEY VIRUSES

GOLEMIS E; LI Y; FREDERICKSON T N; HARTLEY J W; HOPKINS N
BIOL. DEP., MASS. INST. TECHNOL., 77 MASSACHUSETTS AVE., CAMBRIDGE, MASS.
02139, USA.
J VIROL 63 (1). 1989. 328-337. CODEN: JOVIA
Full Journal Title: Journal of Virology
Language: ENGLISH

- end of record -

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Display 21/3/4 (Item 4 from file: 55)

Friend virus
↓

DIALOG(R)File 55:BIOSIS PREVIEWS(R)
(c) 1995 BIOSIS. All rts. reserv.

5836388 BIOSIS Number: 83098695

DISEASE SPECIFICITY OF NONDEFECTIVE FRIEND AND MOLONEY MURINE LEUKEMIA
VIRUSES IS CONTROLLED BY A SMALL NUMBER OF NUCLEOTIDES

LI Y; GOLEMIS E; HARTLEY J W; HOPKINS N
CENTER FOR CANCER RESEARCH, DEP. BIOLOGY, MASS. INST. TECHNOLOGY,
CAMBRIDGE, MASS. 02139.

J VIROL 61 (3). 1987. 693-700. CODEN: JOVIA

Full Journal Title: Journal of Virology

Language: ENGLISH

- end of record -

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Display 21/3/5 (Item 1 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

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08478147 93188147

Characterization of a protein that binds multiple sequences in mammalian
type C retrovirus enhancers.

Sun W; O'Connell M; Speck NA

Department of Biochemistry, Dartmouth Medical School, Hanover, New
Hampshire 03755.

J Virol (UNITED STATES) Apr 1993, 67 (4) p1976-86, ISSN 0022-538X

Journal Code: KCV

Contract/Grant No.: CA51065-01A1, CA, NCI; CA23018, CA, NCI

Languages: ENGLISH

RNA~~Article~~ArticleType: JOU

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Display 21/3/6 (Item 2 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

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07117765 90024765

Genetic basis of disease specificity of nondefective Friend murine
leukemia virus.

Hopkins N

Biology Department, Massachusetts Institute of Technology, Cambridge
02139.

Ann N Y Acad Sci (UNITED STATES) 1989, 567 p14-25, ISSN 0077-8923

Journal Code: 5NM

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

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Display 21/3/7 (Item 3 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

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06574522 88219522

An enhancer sequence instability that diversifies the cell repertoire for
expression of a murine leukemia virus.

Spiro C; Li JP; Bestwick RK; Kabat D

Department of Biochemistry, School of Medicine, Oregon Health Sciences
University, Portland 97201.

Virology (UNITED STATES) Jun 1988, 164 (2) p350-61, ISSN 0042-6822
Journal Code: XEA
Contract/Grant No.: CA25810
Languages: ENGLISH
Document type: JOURNAL ARTICLE

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Display 21/3/8 (Item 4 from file: 154)
DIALOG(R)File 154:MEDLINE(R)
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06446076 88091076

A DNA element responsible for the different tissue specificities of Friend and Moloney retroviral enhancers.

Thiesen HJ; Bosze Z; Henry L; Charnay P
Differentiation Programme, European Molecular Biology Laboratory,
Heidelberg, Federal Republic of Germany.

J Virol (UNITED STATES) Feb 1988, 62 (2) p614-8, ISSN 0022-538X
Journal Code: KCV

Languages: ENGLISH

Document type: JOURNAL ARTICLE

listed in Spec.

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Display 21/3/9 (Item 5 from file: 154)
DIALOG(R)File 154:MEDLINE(R)
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06423649 88068649

Enhancer sequences of a retroviral vector determine expression of a gene in multipotent hematopoietic progenitors and committed erythroid cells.

Holland CA; Anklesaria P; Sakakeeny MA; Greenberger JS
Department of Radiation Oncology, University of Massachusetts Medical
Center, Worcester 01605.

Proc Natl Acad Sci U S A (UNITED STATES) Dec 1987, 84 (23) p8662-6,
ISSN 0027-8424 Journal Code: PV3

Contract/Grant No.: CA39851; CA40818

Languages: ENGLISH

Document type: JOURNAL ARTICLE

listed in Spec.

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Display 21/3/10 (Item 6 from file: 154)
DIALOG(R)File 154:MEDLINE(R)
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06224935 87198935

Sequences responsible for erythroid and lymphoid leukemia in the long terminal repeats of Friend-mink cell focus-forming and Moloney murine leukemia viruses.

Ishimoto A; Takimoto M; Adachi A; Kakuyama M; Kato S; Kakimi K; Fukuoka K
; Ogiu T; Matsuyama M

J Virol (UNITED STATES) Jun 1987, 61 (6) p1861-6, ISSN 0022-538X
Journal Code: KCV

Languages: ENGLISH

Document type: JOURNAL ARTICLE

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Display 21/3/11 (Item 7 from file: 154)
DIALOG(R)File 154:MEDLINE(R)
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05999663 86300663

A transcriptional enhancer with specificity for erythroid cells is located in the long terminal repeat of the Friend murine leukemia virus.

Bosze Z; Thiesen HJ; Charnay P

EMBO J (ENGLAND) Jul 1986, 5 (7) p1615-23, ISSN 0261-4189

Journal Code: EMB

Languages: ENGLISH

Document type: JOURNAL ARTICLE

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QH506 .F5

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Display 21/3/12 (Item 8 from file: 154)
DIALOG(R)File 154:MEDLINE(R)
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05904900 86205900

Tissue tropism of a leukemogenic murine retrovirus is determined by sequences outside of the long terminal repeats.

Wolff L; Ruscetti S

Proc Natl Acad Sci U S A (UNITED STATES) May 1986, 83 (10) p3376-80,
ISSN 0027-8424 Journal Code: PV3

Languages: ENGLISH

Document type: JOURNAL ARTICLE

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Display 21/3/13 (Item 9 from file: 154)
DIALOG(R)File 154:MEDLINE(R)
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05744968 86045968

Comparison of the transcriptional properties of the Friend and Moloney retrovirus long terminal repeats: importance of tandem duplications and of the core enhancer sequence.

Clark SP; Kaufhold R; Chan A; Mak TW

Virology (UNITED STATES) Jul 30 1985, 144 (2) p481-94, ISSN 0042-6822
Journal Code: XEA

Languages: ENGLISH

Document type: JOURNAL ARTICLE

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Display 21/3/14 (Item 10 from file: 154)
DIALOG(R)File 154:MEDLINE(R)
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05393860 85009860

A 3' end fragment encompassing the transcriptional enhancers of nondefective Friend virus confers erythroleukemogenicity on Moloney leukemia virus.

Chatis PA; Holland CA; Silver JE; Frederickson TN; Hopkins N; Hartley JW
J Virol (UNITED STATES) Oct 1984, 52 (1) p248-54, ISSN 0022-538X

Journal Code: KCV

Contract/Grant No.: CA19308; CA26717; CA14051; +

Languages: ENGLISH

Document type: JOURNAL ARTICLE

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Set	Items	Description
S1	149	MYELOPROLIFERATIVE (W) SARCOMA (W) VIRUS
S2	24082	ENHANCER
S3	4898	LTR
S4	749	LTRS
S5	5074	S3 OR S4
S6	28	S1 AND S5
S7	16	RD (unique items)
S8	110593	VECTOR OR VECTORS
S9	0	S7 AND S8]
S10	8	S7 AND S8
S11	60	S1 AND S8
S12	3679518	PY=1986:1987
S13	16	S11 AND S12
S14	10	RD (unique items)
S15	0	MOLONEY (W) FRIEND (W) VIRUS
S16	0	S MOLONEY (W) FRIEND
S17	1441	FRIEND (W) VIRUS
S18	4507	MOLONEY
S19	73	S17 AND S18
S20	20	S2 AND S19
S21	14	RD (unique items)
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DIALOG(R)File 154:MEDLINE(R)
(c) format only 1995 Knight-Ridder Info. All rts. reserv.

09185125 95115125

Multiple modifications in cis elements of the long terminal repeat of retroviral vectors lead to increased expression and decreased DNA methylation in embryonic carcinoma cells.

Challita PM; Skelton D; el-Khoueiry A; Yu XJ; Weinberg K; Kohn DB
Department of Microbiology, University of Southern California School of Medicine, Los Angeles.

J Virol (UNITED STATES) Feb 1995, 69 (2) p748-55, ISSN 0022-538X
Journal Code: KCV

Contract/Grant No.: DK-42694, DK, NIDDK

Languages: ENGLISH

Document type: JOURNAL ARTICLE

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Display 10/3/8 (Item 2 from file: 154)
DIALOG(R)File 154:MEDLINE(R)
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07273854 90180854

Introduction and expression of the interleukin 2 receptor (Tac) gene in hematopoietic stem cells with retrovirus vectors.

Takeda S; Hamaguchi Y; Zong SQ; Kuze K; Honjo T; Ishimoto M; Nakano T; Kitamura Y

Department of Medical Chemistry, Kyoto University Faculty of Medicine, Japan.

Growth Factors (SWITZERLAND) 1988, 1 (1) p59-66, ISSN 0897-7194
Journal Code: AOI

Languages: ENGLISH

Document type: JOURNAL ARTICLE

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Set	Items	Description
S1	149	MYELOPROLIFERATIVE (W) SARCOMA (W) VIRUS
S2	24082	ENHANCER
S3	4898	LTR
S4	749	LTRS
S5	5074	S3 OR S4
S6	28	S1 AND S5
S7	16	RD (unique items)
S8	110593	VECTOR OR VECTORS
S9	0	S7 AND S8]
S10	8	S7 AND S8
S11	60	S1 AND S8
S12	3679518	PY=1986:1987
S13	16	S11 AND S12
S14	10	RD (unique items)

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Display 14/3/1 (Item 1 from file: 55)
DIALOG(R)File 55:BIOSIS PREVIEWS(R)